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**IDEA-2803-65**  
**Copy 8 of 8**

**15 October 1965**

**MEMORANDUM FOR : Chief, Idealist Operations/Field Activities**  
**SUBJECT : Full Pressure Suits for U-2 Aircraft**

25X1 1. Recent interest by the Commander and some pilots at [ ] has generated a review of the possibility of converting from the partial pressure suit to the full pressure suit in U-2 aircraft. The three main reasons for this conversion are: 1) Possible increase in comfort, 2) More anti-exposure protection in the event of bail out over water, and 3) Better physiological protection in the event of cabin decompression by maintaining the pilot at a lower altitude.

2. A limited evaluation of the USAF AP225-2 full pressure suit was conducted in the U-2 in November 1962. A copy of this report with significant portions underlined is attached.

3. David Clark Co. was asked to submit a proposal for the development of two full pressure suits to conduct an evaluation program. Copies of a letter to [ ] the proposal and a cost summary are attached.

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4. Aircraft modifications required would include installation of liquid oxygen. Cost break down of these mods is not known at this time.

5. Upon your review of this information, please advise the Deputy for Technology of your recommendations and/or requirements regarding the overall program.

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**ASD/OSA, [REDACTED] (15 October 1965)**

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